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=> s (contact Lens) and hydrogel

L1 2845 (CONTACT LENS) AND HYDROGEL

=> s l1 and (color? or colour?)

3 FILES SEARCHED...

L2 621 L1 AND (COLOR? OR COLOUR?)

=> s l2 and (encapsulat? or microcapsule# or nanocapsule# or micropart? or nanosphere# or microsphere#)

L3 74 L2 AND (ENCAPSULAT? OR MICROCAPSULE# OR NANOCAPSULE# OR MICROPA RT? OR NANOSPHERE# OR MICROSPHERE#)

=> s l3 and resin

L4 27 L3 AND RESIN

=> s l4 and thermoplast?

L5 9 L4 AND THERMOPLAST?

=> s l4 and thermostat?

L6

2 L4 AND THERMOSTAT?

=> d 16 1-2 ibib abs

L6 ANSWER 1 OF 2 USPATFULL
ACCESSION NUMBER: 2002:47451 USPATFULL
TITLE: **Colored** contact lenses and method of making same
INVENTOR(S): Thakrar, Ashok R., Phoenix, AZ, UNITED STATES
Overmyer, Bradley K., Columbus, OH, UNITED STATES
Meyers, William E., San Ramon, CA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|
| PATENT INFORMATION: | US 2002027638 | A1 | 20020307 |
| APPLICATION INFO.: | US 2001-986709 | A1 | 20011109 (9) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2000-658592, filed on 8 Sep | | |
| | 2000, PENDING Division of Ser. No. US 1993-143373, filed on 26 Oct 1993, GRANTED, Pat. No. US 6284161 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | APPLICATION | | |
| LEGAL REPRESENTATIVE: | James W. Peterson, Esq., BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box 1404, Alexandria, VA, 22313-1404 | | |
| NUMBER OF CLAIMS: | 51 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 553 | | |
| AB | Optical lenses and methods of preparing the same, in which an active material encapsulated in resin capsules is impregnated in said lens, adjacent an optical surface thereof. The active material may be a coloring material for producing a printed color pattern in the iris or other areas of the lens, or it may be a therapeutic agent. | | |

L6 ANSWER 2 OF 2 USPATFULL
ACCESSION NUMBER: 1999:102835 USPATFULL
TITLE: Process for preparing synthetic soil-extract materials and medicaments based thereon
INVENTOR(S): Laub, Richard J., Newport Beach, CA, United States
PATENT ASSIGNEE(S): Laubc Biochemicals, Corporation, Newport Beach, CA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|
| PATENT INFORMATION: | US 5945446 | | 19990831 |
| APPLICATION INFO.: | US 1997-798329 | | 19970210 (8) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Travers, Russell | | |
| LEGAL REPRESENTATIVE: | Knobbe, Martens, Olson & Bear, LLP | | |
| NUMBER OF CLAIMS: | 25 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 3 Drawing Figure(s); 3 Drawing Page(s) | | |
| LINE COUNT: | 2227 | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | |
| AB | Phenolic polymers are prepared by dissolving one or more organic phenols along with sodium periodate in aqueous base at pH 8-11, and allowing the mixtures to stand between 35 and 80.degree. C. for a period of 30 minutes to 100 hours. One or more inorganic compounds or salts is added | | |

and the solution is allowed to stand at room temperature between 2 and 48 hours. Salt molecules as well as starting compounds and other low molecular-weight materials below about 500 to about 10,000 daltons are removed from the product solutions. Purified phenolic polymers are prepared in concentrated aqueous solution or in dried powder form in a final step if necessary. The resultant phenolic polymers exhibit physicochemical properties strongly resembling those of typical commercially-available natural soil extracts. The materials are active anti-viral and anti-microbial agents, and are effective in anti-viral amounts in blood product compositions, in methods for reducing or eliminating virus in blood products and in anti-viral and anti-microbial compositions for treating or preventing human or animal viral or microbial diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 15 1-9 ibib abs

L5 ANSWER 1 OF 9 USPATFULL

ACCESSION NUMBER: 2002:47451 USPATFULL

TITLE: **Colored** contact lenses and method of making same

INVENTOR(S): Thakrar, Ashok R., Phoenix, AZ, UNITED STATES
Overmyer, Bradley K., Columbus, OH, UNITED STATES
Meyers, William E., San Ramon, CA, UNITED STATES

| | NUMBER | KIND | DATE |
|-----------------------|---------------------------------------------------------|------|--------------|
| PATENT INFORMATION: | US 2002027638 | A1 | 20020307 |
| APPLICATION INFO.: | US 2001-986709 | A1 | 20011109 (9) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2000-658592, filed on 8 Sep | | |

2000, PENDING Division of Ser. No. US 1993-143373, filed on 26 Oct 1993, GRANTED, Pat. No. US 6284161

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: James W. Peterson, Esq., BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box 1404, Alexandria, VA, 22313-1404

NUMBER OF CLAIMS: 51

EXEMPLARY CLAIM: 1

LINE COUNT: 553

AB Optical lenses and methods of preparing the same, in which an active material **encapsulated** in **resin** capsules is impregnated in said lens, adjacent an optical surface thereof. The active material may be a **coloring** material for producing a printed **color** pattern in the iris or other areas of the lens, or it may be a therapeutic agent.

L5 ANSWER 2 OF 9 USPATFULL

ACCESSION NUMBER: 2002:5728 USPATFULL

TITLE: **Colored** contact lenses and method of making same

INVENTOR(S): Thakrar, Ashok R., Phoenix, AZ, United States
Overmyer, Bradley K., Columbus, OH, United States
Meyers, William E., San Ramon, CA, United States

PATENT ASSIGNEE(S): PBH, INC, Des Plaines, IL, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|--|--------|------|------|
| | | | |

PATENT INFORMATION: US 6337040 B1 20020108
APPLICATION INFO.: US 2000-658592 20000908 (9)
RELATED APPLN. INFO.: Division of Ser. No. US 1993-143373, filed on 26 Oct
1993, now patented, Pat. No. US 6284161 Continuation
of
Ser. No. US 1992-898735, filed on 19 Jun 1992, now
abandoned Continuation of Ser. No. US 1991-746770,
filed on 16 Aug 1991, now abandoned Division of Ser.
No. US 1990-469007, filed on 29 Jan 1990, now
abandoned
Continuation-in-part of Ser. No. US 1998-310942, filed
on 16 Feb 1998, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Vargot, Mathieu D.
LEGAL REPRESENTATIVE: Burns Doane Swecker & Mathis, L.L.P.
NUMBER OF CLAIMS: 9
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 454

AB Optical lenses and methods of preparing the same, in which an active
material **encapsulated** in **resin** capsules is
impregnated in said lens, adjacent an optical surface thereof. The
active material may be a **coloring** material for producing a
printed **color** pattern in the iris or other areas of the lens,
or it may be a therapeutic agent.

L5 ANSWER 3 OF 9 USPATFULL
ACCESSION NUMBER: 2001:147380 USPATFULL
TITLE: **Colored** contact lenses and method of making
same
INVENTOR(S): Thakrar, Ashok R., Phoenix, AZ, United States
Overmyer, Bradley K., Columbus, OH, United States
PATENT ASSIGNEE(S): PBH, Inc., Des Plaines, IL, United States (U.S.
corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|
| PATENT INFORMATION: | US 6284161 | B1 | 20010904 |
| APPLICATION INFO.: | US 1993-143373 | | 19931026 (8) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1992-898435, filed on 15 Jun 1992, now abandoned Continuation of Ser. No. US 1991-746770, filed on 16 Aug 1991, now abandoned Division of Ser. No. US 1990-469007, filed on 29 Jan 1990, now abandoned Continuation-in-part of Ser. No. | | |

US
1989-310942, filed on 16 Feb 1989, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Vargot, Mathieu D.
LEGAL REPRESENTATIVE: Burns, Doane, Swecker & Mathis, L.L.P.
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
LINE COUNT: 453
AB Optical lenses and methods of preparing the same, in which an active
material **encapsulated** in **resin** capsules is
impregnated in said lens, adjacent an optical surface thereof. The
active material may be a **coloring** material for producing a
printed **color** pattern in the iris or other areas of the lens,
or it may be a therapeutic agent.

L5 ANSWER 4 OF 9 USPATFULL
ACCESSION NUMBER: 1999:27210 USPATFULL

TITLE: Biocompatible adhesion in tissue repair
 INVENTOR(S): Ibsen, Robert L., Santa Maria, CA, United States
 Glace, William R., Orcutt, CA, United States
 PATENT ASSIGNEE(S): Den-Mat Corporation, Santa Maria, CA, United States
 (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--------------------------------------------------------------------------------------------------------------|------|--------------|
| PATENT INFORMATION: | US 5876743 | | 19990302 |
| APPLICATION INFO.: | US 1997-934570 | | 19970922 (8) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1996-668595, filed on 18 Jun 1996, now abandoned which is a continuation of Ser. | | |
| | No. US 1995-408013, filed on 21 Mar 1995, now abandoned | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Azpuru, Carlos A. | | |
| NUMBER OF CLAIMS: | 51 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 8 Drawing Figure(s); 3 Drawing Page(s) | | |
| LINE COUNT: | 1530 | | |

AB A process for enhancing the

- (a) normal healing processes involving a live mammalian body of
 - (i) injured non-dental-related soft tissue, and
 - (ii) non-dental-related osseous material, and
- (b) for enhancing the biocompatibility and adhesion of bone and/or prosthetic device involved in a non-dental surgical or nonsurgical repair procedure, to ossified and non-ossified tissue components with which they are in contact, where there is an injury to either soft or hard tissue or a non-biocompatible prosthesis is placed in the body, that involves placing at the injury or on the prosthesis
 - a) a primary coating that is a tenaciously-bonded hydrophilic water insoluble crosslinked **resin** coating,
 - b) that optionally contains a measurable amount of a water/fluid leachable fluoride capable of (a) being leached from the coating in a metered amount, and (b) transporting a small amount of leached fluoride from the coating into the afflicted area ("the primary coating with fluoride").

L5 ANSWER 5 OF 9 USPATFULL

ACCESSION NUMBER: 76:11639 USPATFULL
 TITLE: Hydrophilic polymers, articles and methods of making same
 INVENTOR(S): Shepherd, Thomas H., Princeton, NJ, United States
 Gould, Francis E., Princeton, NJ, United States
 PATENT ASSIGNEE(S): National Patent Development Corporation, New York, NY, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|----------------------------------------------------------------------------------------------------------|------|--------------|
| PATENT INFORMATION: | US 3941858 | | 19760302 |
| APPLICATION INFO.: | US 1973-386430 | | 19730807 (5) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1967-654044, filed on 5 Jul 1967, now abandoned Continuation-in-part of Ser. No. | | |
| US | 1966-567856, filed on 26 Jul 1966, now patented, Pat. No. US 3520949 | | |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Tillman, Murray
ASSISTANT EXAMINER: Ziegler, J.
LEGAL REPRESENTATIVE: Cushman, Darby & Cushman
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
LINE COUNT: 1138

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for preparing hydrophilic cross-linked polymers and products prepared thereby, said process comprising admixing in a solvent-free system in the presence of a free radical, vinyl polymerization catalyst and reacting a major amount of a water-soluble polymerizable monoester of an olefinic acid having at least one substituted functional group with a minor amount of a polymerizable diester of one of said olefinic acids having at least two esterifiable hydroxyl groups. The novel products include a solid friable foam which can be disintegrated to powder. Shaped bodies can be prepared in the form of articles which can be cast with additives such as fragrances, medicinals, flavors, chemicals and the like, which are gradually released from the article when it is wetted in water or alcohol. Liquid casting syrups adapted to be polymerized in situ with or without additives can be formed. The casting syrups can be prepared in water to yield a polymer soluble in alcohol which is suitable for formation of hydrophilic coatings as by spray, dip, casting and the like.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 9 USPATFULL
ACCESSION NUMBER: 75:22736 USPATFULL
TITLE: POWDERED WATER-INSOLUBLE POLYMERS CONTAINING ABSORBED ADDITIVES
INVENTOR(S): Shepherd, Thomas T., Hopwell, NJ, United States
Gould, Francis E., Princeton, NJ, United States
PATENT ASSIGNEE(S): National Patent Development Corporation, New York, NY, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|
| PATENT INFORMATION: | US 3881026 | | 19750429 |
| APPLICATION INFO.: | US 1971-153043 | | 19710614 (5) |
| DISCLAIMER DATE: | 19890801 | | |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1970-32404, filed on 27 Apr 1970, now Defensive Publication No. which is a continuation-in-part of Ser. No. US 1966-567856, filed on 26 Jul 1966, now patented, Pat. No. US 3520949, issued on 21 Jul 1970 And Ser. No. US 1967-650259, filed on 30 Jun 1967, now abandoned Division of Ser. No. US 1967-654044, filed on 5 Jul 1967, now Defensive Publication No. | | |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Sebastian, Leland A.
LEGAL REPRESENTATIVE: Cushman, Darby & Cushman
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1, 4
LINE COUNT: 1110

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for preparing hydrophilic homopolymers and products prepared thereby, said process comprising admixing in a solvent-free system in the presence of a free radical, vinyl polymerization catalyst. Shaped bodies can be prepared in the form of articles which can be cast with additives such as fragrances, medicinals, flavors, chemicals and the like, which are gradually released from the article when it is wetted in

water or alcohol. Liquid casting syrups adapted to be polymerized in situ with or without additives can be formed. The casting syrups can be prepared in water to yield a polymer soluble in alcohol which is suitable for formation of hydrophilic coatings as by spray, dip, casting and the like. Polymerization to solvent soluble polymers is accomplished in the presence of a suspending medium.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 9 USPATFULL

ACCESSION NUMBER: 74:53838 USPATFULL
TITLE: METHOD OF PREPARING SURGICAL SUTURES
INVENTOR(S): Shepherd, Thomas H., Hopewell, NJ, United States
Gould, Francis E., Princeton, NJ, United States
PATENT ASSIGNEE(S): National Patent Development Corporation, New York, NY, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|
| PATENT INFORMATION: | US 3849185 | | 19741119 |
| APPLICATION INFO.: | US 1971-207583 | | 19711213 (5) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1970-32448, filed on 27 Apr 1970, now patented, Pat. No. US 3674901 which is a continuation-in-part of Ser. No. US 1966-567856, filed on 26 Jul 1966, now patented, Pat. No. US 3520949 And Ser. No. US 1967-650259, filed on 30 Jun 1967, now abandoned which is a division of Ser. No. US 1967-654044, filed on 5 Jul 1967, now Defensive Publication No. | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Martin, William D. | | |
| ASSISTANT EXAMINER: | Bell, Janyce A. | | |
| LEGAL REPRESENTATIVE: | Cushman, Darby & Cushman | | |
| NUMBER OF CLAIMS: | 5 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 1100 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for preparing surgical suture by coating a surgical suture fiber with a casting syrup of hydroxyethyl or hydroxypropyl acrylate or methacrylate and then completing the polymerization of the acrylate or methacrylate.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 9 USPATFULL

ACCESSION NUMBER: 72:33986 USPATFULL
TITLE: SURGICAL SUTURES
INVENTOR(S): Shepherd, Thomas H., Hopewell, NJ, United States
Gould, Francis E., Princeton, NJ, United States
PATENT ASSIGNEE(S): National Patent Development Corporation, New York, NY, United States

| | NUMBER | KIND | DATE |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|
| PATENT INFORMATION: | US 3674901 | | 19720704 |
| APPLICATION INFO.: | US 1970-32448 | | 19700427 (5) |
| DISCLAIMER DATE: | 19860225 | | |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1966-567856, filed on 26 Jul 1966, now patented, Pat. No. US 3220949 And Ser. No. US 1967-650259, filed on 30 Jun 1967, now patented, Pat. No. US 3572685 which is a division of Ser. No. US 1967-654044, filed on 5 Jul 1967, now | | |

abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Rose, Shep K.
LEGAL REPRESENTATIVE: Cushman, Darby & Cushman
NUMBER OF CLAIMS: 2
LINE COUNT: 1111
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for preparing hydrophilic cross-linked polymers and products prepared thereby, said process comprising admixing in a solvent-free system in the presence of a free radical, vinyl polymerization catalyst and reacting a major amount of a water-soluble polymerizable monoester of an olefinic acid having at least one substituted functional group with a minor amount of a polymerizable diester of one of said olefinic acids having at least two esterifiable hydroxyl groups. The novel products include a solid friable foam which can be disintegrated to powder. Shaped bodies can be prepared in the form of articles which can be cast with additives such as fragrances, medicinals, flavors, chemicals and the like, which are gradually released from the article when it is wetted in water or alcohol. Liquid casting syrups adapted to be polymerized in situ with or without additives can be formed. The casting syrups can be prepared in water to yield a polymer soluble in alcohol which is suitable for formation of hydrophilic coatings as by spray, dip, casting and the like. Surgical suture threads can be coated with the polymers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 9 EUROPATFULL COPYRIGHT 2002 WILA

PATENT APPLICATION - PATENTANMELDUNG - DEMANDE DE BREVET

ACCESSION NUMBER: 384632 EUROPATFULL EW 199035 FS OS STA B
TITLE: Colored contact lenses and method of making same.
Gefaerbt Kontaktlinse und Verfahren zu deren Herstellung.
Lentille de contact coloree et procede pour sa fabrication.
INVENTOR(S): Thakrar, Ashok R., 2582 Glen Dundee Way, San Jose, California 95148, US;
Overmyer, Bradley K., 271 Deerfield Road, Columbus, Ohio
43228, US
PATENT ASSIGNEE(S): PILKINGTON VISIONCARE HOLDINGS, INC., 2420 Sand Hill Road Suite 200, Menlo Park California 94025, US
PATENT ASSIGNEE NO: 1027981
AGENT: Pendlebury, Anthony et al, PAGE, WHITE & FARRER 54 Doughty Street, London WC1N 2LS, GB
AGENT NUMBER: 43021
OTHER SOURCE: ESP1990040 EP 0384632 A1 900829
SOURCE: Wila-EPZ-1990-H35-T3
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R DE; R FR; R GB; R IT
PATENT INFO. PUB. TYPE: EPA1 EUROPÄISCHE PATENTANMELDUNG
PATENT INFORMATION:
PATENT NO KIND DATE

EP 384632 A1 19900829
19900829
'OFFENLEGUNGS' DATE: 19900214
APPLICATION INFO.: EP 1990-301548 19890216
PRIORITY APPLN. INFO.: US 1989-310942 19900129
US 1990-469007

GRANTED PATENT - ERTEILTES PATENT - BREVET DELIVRE

ACCESSION NUMBER: 384632 EUROPATFULL EW 199430 FS PS STA B
TITLE: **Colored** contact lenses and method of making same.
Gefaerbte Kontaktlinse und Verfahren zu deren Herstellung.
Lentille de contact **coloree** et procede pour sa fabrication.
INVENTOR(S): Thakrar, Ashok R., 2582 Glen Dundee Way, San Jose, California 95148, US;
Overmyer, Bradley K., 271 Deerfield Road, Columbus, Ohio 43228, US
PATENT ASSIGNEE(S): PILKINGTON BARNES HIND, INC., 810 Kifer Road, Sunnyvale, California 94086-5200, US
PATENT ASSIGNEE NO: 1771610
AGENT: Daniels, Jeffrey Nicholas et al, Page White & Farrer 54 Doughty Street, London WC1N 2LS, GB
AGENT NUMBER: 69921
OTHER SOURCE: EPB1994052 EP 0384632 B1 940727
SOURCE: Wila-EPS-1994-H30-T3
DOCUMENT TYPE: Patent
LANGUAGE: Anmeldung in Englisch; Veroeffentlichung in Englisch
DESIGNATED STATES: R DE; R FR; R GB; R IT
PATENT INFO. PUB. TYPE: EPB1 EUROPÄISCHE PATENTSCHRIFT
PATENT INFORMATION:

| | PATENT NO | KIND DATE |
|------------------------|----------------|--------------|
| 'OFFENLEGUNGS' DATE: | EP 384632 | B1 19940727 |
| APPLICATION INFO.: | EP 1990-301548 | 19900829 |
| PRIORITY APPLN. INFO.: | US 1989-310942 | 19900214 |
| | US 1990-469007 | 19890216 |
| REFERENCE PAT. INFO.: | WO 83-02777 A | 19900129 |
| | US 4303701 A | DE 3023964 A |
| | US 4640805 A | US 4592752 A |